

# LITTLE COLORADO RIVER BASIN

09400300 TESHBITO WASH NEAR HOLBROOK, AZ

LOCATION.--Lat 35°26'55", long 110°04'05", in NW<sup>1</sup>/<sub>4</sub> sec.36, T.24 N., R.21 E., Navajo County, Hydrologic Unit 15020011, at State Highway 77, 4.0 mi north of Bita Hochee Trading Post, 35 mi north of Holbrook.

DRAINAGE AREA.--60.3 mi<sup>2</sup>, of which 10.7 mi<sup>2</sup> is noncontributing.

## Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1963	09-06-63	1,220		1970	09-05-70	950	
1964	08-13-64	514		1971	08-00-71	1,280	
1965	07-20-65	374		1972	00-00-72	68	
1966	08-01-66	1,080		1973	10-19-72	628	
1967	00-00-67	1,580		1974	08-00-74	256	
1968	08-11-68	540		1975	07-15-75	700	
1969	09-12-69	550		1976	00-00-76	100	

Magnitude and probability of instantaneous peak flow based on period of record 1963-76

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
653	1,050	1,340	1,720	2,020	2,320
Weighted skew	(logs) =	-0.14			
Mean	(logs) =	2.81			
Standard dev.	(logs) =	0.25			

† Reliability of values in column is uncertain, and potential errors are large.

## Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
57.7	10.4	6,280	16.0	3.0	9.2	1.3	2.9

